

552, 945

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number  
**WO 2004/098303 A1**

(51) International Patent Classification<sup>7</sup>: **A23F 5/02, 5/16**

(21) International Application Number:

PCT/US2003/011950

(22) International Filing Date: 16 April 2003 (16.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **VDF FUTURECEUTICALS [US/US]**; 300 West 6th Street, Mokenca, IL 60954-0009 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MILJKOVIC, Dusan [YU/US]**; VDF FUTURECEUTICALS, 4655 Ramsay Avenue, San Diego, CA 92122 (US). **DUELL, Brad [US/US]**; VDF Futureceuticals, 1441 Santa Lucia Rd. #1134, Chula Vista, CA 91913 (US). **MILJKOVIC, Vukosava [YU/US]**; VDF Futureceuticals, 4655 Ramsay Avenue, San Diego, CA 92122 (US).

(74) Agents: **RUTAN & TUCKER LLP** et al.; 611 Anton Blvd., Suite 1400, Costa Mesa, CA 92626 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **LOW-MYCOTOXIN COFFEE CHERRY PRODUCTS**

(57) Abstract: A coffee cherry is harvested, preferably in a sub-ripe state, and quick-dried to provide a basis for numerous nutritional products. Such coffee cherries and portions thereof may be particularly characterized by their extremely low concentration of mycotoxins, including various aflatoxins, fumonisins, ochratoxins, and/or vomitoxin (DON, deoxynivalenol).



**WO 2004/098303 A1**